

Multiple Agency Fiscal Note Summary

Bill Number: 5812 S SB	Title: Electric vehicle fires
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Estimated Cash Receipts

NONE

Agency Name	2023-25		2025-27		2027-29	
	GF- State	Total	GF- State	Total	GF- State	Total
Local Gov. Total						
Local Gov. Courts						
Loc School dist-SPI						
Local Gov. Other	Fiscal note not available					

Estimated Operating Expenditures

Agency Name	2023-25				2025-27				2027-29			
	FTEs	GF-State	NGF-Outlook	Total	FTEs	GF-State	NGF-Outlook	Total	FTEs	GF-State	NGF-Outlook	Total
Department of Commerce	.5	177,557	177,557	177,557	1.0	343,114	343,114	343,114	1.0	343,114	343,114	343,114
Washington State Patrol	.0	88,742	88,742	88,742	.0	0	0	0	.0	0	0	0
Department of Ecology	.2	0	0	75,916	.0	0	0	0	.0	0	0	0
Total \$	0.7	266,299	266,299	342,215	1.0	343,114	343,114	343,114	1.0	343,114	343,114	343,114

Agency Name	2023-25			2025-27			2027-29		
	FTEs	GF-State	Total	FTEs	GF-State	Total	FTEs	GF-State	Total
Local Gov. Courts									
Loc School dist-SPI									
Local Gov. Other	Fiscal note not available								
Local Gov. Total									

Estimated Capital Budget Expenditures

Agency Name	2023-25			2025-27			2027-29		
	FTEs	Bonds	Total	FTEs	Bonds	Total	FTEs	Bonds	Total
Department of Commerce	.0	0	0	.0	0	0	.0	0	0
Washington State Patrol	.0	0	0	.0	0	0	.0	0	0
Department of Ecology	.0	0	0	.0	0	0	.0	0	0
Total \$	0.0	0	0	0.0	0	0	0.0	0	0

Agency Name	2023-25			2025-27			2027-29		
	FTEs	GF-State	Total	FTEs	GF-State	Total	FTEs	GF-State	Total
Local Gov. Courts									
Loc School dist-SPI									
Local Gov. Other	Fiscal note not available								
Local Gov. Total									

Estimated Capital Budget Breakout

Prepared by: Tiffany West, OFM	Phone: (360) 890-2653	Date Published: Preliminary 2/ 2/2024
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Individual State Agency Fiscal Note

Bill Number: 5812 S SB	Title: Electric vehicle fires	Agency: 103-Department of Commerce
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Part I: Estimates

No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

	FY 2024	FY 2025	2023-25	2025-27	2027-29
FTE Staff Years	0.0	1.0	0.5	1.0	1.0
Account					
General Fund-State 001-1	0	177,557	177,557	343,114	343,114
Total \$	0	177,557	177,557	343,114	343,114

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

- If fiscal impact is greater than \$50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- If fiscal impact is less than \$50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

Legislative Contact:	Phone:	Date: 01/29/2024
Agency Preparation: Joseph Piper	Phone: 360-725-3042	Date: 01/31/2024
Agency Approval: Joseph Piper	Phone: 360-725-3042	Date: 01/31/2024
OFM Review: Cheri Keller	Phone: (360) 584-2207	Date: 01/31/2024

Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Significant provisions of the bill and any related workload or policy assumptions that have revenue or expenditure impact on the responding agency by section number.

New Section 1 the bill requires state patrol in coordination with Department of Ecology, local fire protection districts, a representative of towing and recovery industry, and other entities (this includes Commerce Energy Resilience and Emergency Management Office) to conduct a study on elements and impacts of electric vehicle fires including: impacts to the environment and proximate residential areas, and health impacts to firefighters; best practices for fire response; best practices regarding clean-up and disposal efforts.

State patrol must deliver a report to the legislature study findings and resulting policy or legislative recommendations.

II. B - Cash receipts Impact

Cash receipts impact of the legislation on the responding agency with the cash receipts provisions identified by section number and when appropriate, the detail of the revenue sources. Description of the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explanation of how workload assumptions translate into estimates. Distinguished between one time and ongoing functions.

None.

II. C - Expenditures

Agency expenditures necessary to implement this legislation (or savings resulting from this legislation), with the provisions of the legislation that result in the expenditures (or savings) identified by section number. Description of the factual basis of the assumptions and the method by which the expenditure impact is derived. Explanation of how workload assumptions translate into cost estimates. Distinguished between one time and ongoing functions.

Section 1:

General Assumptions:

This bill requires State Patrol to coordinate with other entities (this includes Commerce Energy Resilience and Emergency Management Office) to conduct a study on elements and impacts of electric vehicle fires including: impacts to the environment and proximate residential areas, and health impacts to firefighters; best practices for fire response; best practices regarding clean-up and disposal efforts. State patrol must deliver a report to the legislature study findings and resulting policy or legislative recommendations.

The energy resilience and emergency management office of the Department of Commerce (department) will provide subject matter expertise on energy storage technology, connection with the state adoption of micro mobility devices and electric vehicle. The office will provide subject matter expertise to develop recommendations and views and represent the department through the study and report development to include but not limited to attend all meetings or other events.

To complete this work the department estimates (FY25-FY29), work is assumed to be ongoing:

1.0 FTE Emergency Management Program Specialist 3 (2088) in FY25-FY29, to be the lead planner and point of contact for the study and any energy response plans related to micro mobility devices and electric vehicles and energy storage technology, review study findings, provide input into the legislative report, attend meetings and other events.

Salaries and Benefits

FY25: \$119,913

FY26-FY27: \$119,913 per fiscal year

Goods and Services, Equipment and Travel

FY25: \$21,093

FY25-FY29: \$14,294

Intra-Agency Reimbursements

FY25: \$39,451

FY26-FY27: \$39,451 per fiscal year

Note: Standard goods and services costs include supplies and materials, employee development and training, Attorney General costs, central services charges and agency administration. Intra-agency agency administration costs (e.g., payroll, HR, IT) are funded under a federally approved cost allocation plan.

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Total Costs

FY25: \$177,557

FY26-FY29: \$171,557 per fiscal year

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

Account	Account Title	Type	FY 2024	FY 2025	2023-25	2025-27	2027-29
001-1	General Fund	State	0	177,557	177,557	343,114	343,114
Total \$			0	177,557	177,557	343,114	343,114

III. B - Expenditures by Object Or Purpose

	FY 2024	FY 2025	2023-25	2025-27	2027-29
FTE Staff Years		1.0	0.5	1.0	1.0
A-Salaries and Wages		88,798	88,798	177,596	177,596
B-Employee Benefits		31,115	31,115	62,230	62,230
C-Professional Service Contracts					
E-Goods and Other Services		9,597	9,597	19,194	19,194
G-Travel		3,596	3,596	5,192	5,192
J-Capital Outlays		5,000	5,000		
M-Inter Agency/Fund Transfers					
N-Grants, Benefits & Client Services					
P-Debt Service					
S-Interagency Reimbursements					
T-Intra-Agency Reimbursements		39,451	39,451	78,902	78,902
9-					
Total \$	0	177,557	177,557	343,114	343,114

III. C - Operating FTE Detail: *List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA*

Job Classification	Salary	FY 2024	FY 2025	2023-25	2025-27	2027-29
Emergency Management Specialist	86,212		1.0	0.5	1.0	1.0
Total FTEs			1.0	0.5	1.0	1.0

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Acquisition and construction costs not reflected elsewhere on the fiscal note and description of potential financing methods.

NONE

IV. D - Capital FTE Detail: *FTEs listed by classification and corresponding annual compensation. Totals agree with total FTEs in Part IVB.*

NONE

None.

Part V: New Rule Making Required

Provisions of the bill that require the agency to adopt new administrative rules or repeal/revise existing rules.

None.

Individual State Agency Fiscal Note

Bill Number: 5812 S SB	Title: Electric vehicle fires	Agency: 225-Washington State Patrol
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Part I: Estimates

No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

	FY 2024	FY 2025	2023-25	2025-27	2027-29
Account					
General Fund-State 001-1	0	88,742	88,742	0	0
Total \$	0	88,742	88,742	0	0

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

- If fiscal impact is greater than \$50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- If fiscal impact is less than \$50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

Legislative Contact:	Phone:	Date: 01/29/2024
Agency Preparation: Yvonne Ellison	Phone: 360-596-4042	Date: 02/01/2024
Agency Approval: Mario Buono	Phone: (360) 596-4046	Date: 02/01/2024
OFM Review: Tiffany West	Phone: (360) 890-2653	Date: 02/02/2024

Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Significant provisions of the bill and any related workload or policy assumptions that have revenue or expenditure impact on the responding agency by section number.

The proposed legislation will have a fiscal impact to the Washington State Patrol (WSP).

New Section 1(1) requires the WSP, in consultation with the Department of Ecology, local fire protection districts, a representative of the towing and recovery industry and other entities, to study the impacts of electrical vehicle fires and develop the best practices for fire response, clean up and disposal.

New Section 1(2) requires the WSP to report to the legislature by January 1, 2025, on the findings of the study and any resulting policy or legislative recommendations.

II. B - Cash receipts Impact

Cash receipts impact of the legislation on the responding agency with the cash receipts provisions identified by section number and when appropriate, the detail of the revenue sources. Description of the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explanation of how workload assumptions translate into estimates. Distinguished between one time and ongoing functions.

NONE

II. C - Expenditures

Agency expenditures necessary to implement this legislation (or savings resulting from this legislation), with the provisions of the legislation that result in the expenditures (or savings) identified by section number. Description of the factual basis of the assumptions and the method by which the expenditure impact is derived. Explanation of how workload assumptions translate into cost estimates. Distinguished between one time and ongoing functions.

We estimate that a minimum of ten 8-hour workshops will be required to study the impacts of electrical vehicle fires and develop the best practices for fire response, clean up and disposal required in New Section 1(1). We anticipate holding these workshops in various locations across the state to allow for the maximum participation of local fire protection districts, towing industry representatives, and other relevant entities and subject matter experts. This will result in costs to the WSP related to holding the workshops as well as our attendance, including travel and per diem. Virtual attendance options will be made available for any attendees who are unable to travel to any scheduled workshop.

The current location assumptions for the workshops are as follows:

- 2-Olympia area
- 2-Spokane area
- 2-Tri-Cities area
- 1-Vancouver area
- 1-Bellingham area

We currently assume that two workshops will be scheduled as virtual only and will not include additional related costs.

We assume that this work, including travel time and costs, will require the efforts of our Fire Training Division Commander, Chief of Instruction, and Haz-Mat Program Manager as shown below.

Fire Training Division Commander (Assistant State Fire Marshal) – 205 hours - \$25,662
Chief of Instruction (Chief Deputy State Fire Marshal) – 205 hours - \$20,127
Haz-Mat Program Manager (Deputy State Fire Marshal – 194 hours) - \$16,448

We will make every effort to hold the workshops in space provided through partnerships with local fire districts, and therefore do not anticipate any facility rental costs, however, due to the expected length of the workshops we do expect to provide light refreshments and a lunch for each workshop. Assuming 15 attendees for each workshop, we estimate an

additional cost of \$4,281.

Including agency indirect costs, we estimate our total combined costs to be \$88,742.

We base our estimate for agency indirect costs on the approved federal indirect cost rate of 33.41 percent. We apply this indirect cost rate percentage to all categories of expenditure with only two exceptions: capital equipment and expenditures after \$25,000 of each projected contract. Indirect costs include, but are not limited to, computer and telecommunications support, payroll processing, vendor payments, general accounting, procurement administration, inventory control, and human resource management.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

Account	Account Title	Type	FY 2024	FY 2025	2023-25	2025-27	2027-29
001-1	General Fund	State	0	88,742	88,742	0	0
Total \$			0	88,742	88,742	0	0

III. B - Expenditures by Object Or Purpose

	FY 2024	FY 2025	2023-25	2025-27	2027-29
FTE Staff Years					
A-Salaries and Wages		36,283	36,283		
B-Employee Benefits		10,665	10,665		
C-Professional Service Contracts					
E-Goods and Other Services		4,281	4,281		
G-Travel		15,289	15,289		
J-Capital Outlays					
M-Inter Agency/Fund Transfers					
N-Grants, Benefits & Client Services					
P-Debt Service					
S-Interagency Reimbursements					
T-Intra-Agency Reimbursements					
9-Agency Indirect Costs		22,224	22,224		
Total \$	0	88,742	88,742	0	0

III. C - Operating FTE Detail: *FTEs listed by classification and corresponding annual compensation. Totals agree with total FTEs in Part I and Part IIIA.*

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Acquisition and construction costs not reflected elsewhere on the fiscal note and description of potential financing methods.

NONE

IV. D - Capital FTE Detail: *FTEs listed by classification and corresponding annual compensation. Totals agree with total FTEs in Part IVB.*

NONE

Part V: New Rule Making Required

Provisions of the bill that require the agency to adopt new administrative rules or repeal/revise existing rules.

Individual State Agency Fiscal Note

Bill Number: 5812 S SB	Title: Electric vehicle fires	Agency: 461-Department of Ecology
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Part I: Estimates

No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

	FY 2024	FY 2025	2023-25	2025-27	2027-29
FTE Staff Years	0.0	0.4	0.2	0.0	0.0
Account					
Model Toxics Control Operating Account-State 23P-1	0	75,916	75,916	0	0
Total \$	0	75,916	75,916	0	0

Estimated Capital Budget Impact:

NONE

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- If fiscal impact is less than \$50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

Legislative Contact:	Phone:	Date: 01/29/2024
Agency Preparation: Ryan Olson	Phone: 360-584-4086	Date: 01/31/2024
Agency Approval: Erik Fairchild	Phone: 360-407-7005	Date: 01/31/2024
OFM Review: Lisa Borkowski	Phone: (360) 742-2239	Date: 02/02/2024

Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Significant provisions of the bill and any related workload or policy assumptions that have revenue or expenditure impact on the responding agency by section number.

Section 1 of this bill would require the Washington State Patrol (WSP) to consult with Ecology on a study of electric vehicle fires. WSP must provide the study to the Legislature by January 1, 2025. The study must include the following elements:

- Impacts to the environment and proximate residential areas
- Health impacts to responding firefighters
- Best practices for fire response
- Best practices regarding cleanup and disposal efforts

II. B - Cash receipts Impact

Cash receipts impact of the legislation on the responding agency with the cash receipts provisions identified by section number and when appropriate, the detail of the revenue sources. Description of the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explanation of how workload assumptions translate into estimates. Distinguished between one time and ongoing functions.

II. C - Expenditures

Agency expenditures necessary to implement this legislation (or savings resulting from this legislation), with the provisions of the legislation that result in the expenditures (or savings) identified by section number. Description of the factual basis of the assumptions and the method by which the expenditure impact is derived. Explanation of how workload assumptions translate into cost estimates. Distinguished between one time and ongoing functions.

The expenditure impact to Ecology under this bill is estimated to be greater than \$50,000 in Fiscal Year (FY) 2025 to implement the requirements of section 1.

Section 1 would require Ecology to consult with Washington State Patrol on a study of electric vehicle fires, including impacts to environment, health impacts to firefighters, best practices for fire response, and best practices regarding cleanup and disposal efforts. The study would be due to the Legislature by January 1, 2025.

The Washington State Patrol assumes that a minimum of ten 8-hour workshops would be required to study the impacts of electrical vehicle fires and develop the best practices for fire response, clean up and disposal. These workshops would be held in various locations across the state to allow for the maximum participation of local fire protection districts, towing industry representatives, and other relevant entities and subject matter experts.

Ecology estimates this would require 0.12 FTE Environmental Specialist 4 in FY 2025 to attend ten 8-hour workshops, compile and summarize existing data on lithium polymer battery fires, compile and summarize new data from waste sampling and analytical testing on lithium iron phosphate batteries, and to evaluate options for post-fire battery stability and packaging. Ecology estimates an additional cost of \$20,000 to perform the waste sampling and analytical testing.

Ecology estimates it would require 0.19 FTE Environmental Planner 5 to attend ten 8-hour workshops, research disposal vendors, identify and evaluate disposal procedures for best practices, and to evaluate Environmental Protection Agency procedures developed after fires in Hawaii.

SUMMARY: The expenditure impact to Ecology under this bill is \$75,916 in FY 2025 to consult with WSP on a study of electric vehicle fires.

THE TOTAL EXPENDITURE IMPACT to Ecology under this bill is estimated to be:

FY 2025: \$75,916 and 0.36 FTEs

Notes on costs by object:

Salary estimates are current biennium actual rates at Step L.

Benefits are the agency average of 34.1% of salaries.

Goods and Services are the agency average of \$6,048 per direct program FTE, as well as \$20,000 in FY 2025 to perform waste sampling and analytical testing.

Travel is the agency average of \$2,205 per direct program FTE.

Equipment is the agency average of \$1,286 per direct program FTE.

Agency Administrative Overhead is calculated at the federally approved agency indirect rate of 29.8% of direct program salaries and benefits, and is shown as object 9. Agency Administrative Overhead FTEs are included at 0.15 FTE per direct program FTE, and are identified as Fiscal Analyst 2 and IT App Development - Journey.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

Account	Account Title	Type	FY 2024	FY 2025	2023-25	2025-27	2027-29
23P-1	Model Toxics Control Operating Account	State	0	75,916	75,916	0	0
Total \$			0	75,916	75,916	0	0

III. B - Expenditures by Object Or Purpose

	FY 2024	FY 2025	2023-25	2025-27	2027-29
FTE Staff Years		0.4	0.2		
A-Salaries and Wages		30,425	30,425		
B-Employee Benefits		10,375	10,375		
E-Goods and Other Services		21,875	21,875		
G-Travel		684	684		
J-Capital Outlays		398	398		
9-Agency Administrative Overhead		12,159	12,159		
Total \$	0	75,916	75,916	0	0

III. C - Operating FTE Detail: *List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA*

Job Classification	Salary	FY 2024	FY 2025	2023-25	2025-27	2027-29
ENVIRONMENTAL PLANNER 5	105,612		0.2	0.1		
ENVIRONMENTAL SPEC 4	86,324		0.1	0.1		
FISCAL ANALYST 2			0.0	0.0		
IT APP DEV-JOURNEY			0.0	0.0		
Total FTEs			0.4	0.2		0.0

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Acquisition and construction costs not reflected elsewhere on the fiscal note and description of potential financing methods.

NONE

IV. D - Capital FTE Detail: *FTEs listed by classification and corresponding annual compensation. Totals agree with total FTEs in Part IVB.*

NONE

Part V: New Rule Making Required

Provisions of the bill that require the agency to adopt new administrative rules or repeal/revise existing rules.